

Abstract

A remote operation wire line core sampling device capable of increasing the efficiency of working and maintaining the wall of a hole by using a stabilized sea-bottom core drill at a sea-bottom and adopting a wire line system, comprising a drill rod held by the chuck of the sea-bottom core drill, a wire line core barrel having, at the tip thereof, a bit for annularly drilling a ground, an inner tube assembly detachably incorporated in the wire line core barrel, and an over-shot assembly (5) having a function for the engagement thereof with a spear head part at the top end of the inner tube assembly. The device also comprises a water swivel (18) in which water supply ports (3) and (4) are formed at the upper and lower parts thereof and a modified built-in type over-shot assembly(4) are formed at the upper and lower parts thereof and a modified built-in type over-shot assembly (5) is incorporated therein so as to reside at the intermediate part thereof.